Filing Date: January 19, 20 Trial No.: 8571:73 Date of Allowance: May 30, 20 Inventor: Thomas E. Drake Trial No.: 09/766,180 Art Unit: 2856 Examiner: Strike: Method and Apparation of the Dynamic Range of Laser Detected Ultras tion No.: 9539 kques M. nuative Materials 1/3 ANALOG SIGNAL DIFFUSE SIGNAL 102 SATURATION DETECTOR 122 INTERFEROMETER FLASH 120 (£) 108 COLLECTED POWER DIODE APERTURE = \$ -

OPTICAL
AMPLIFIER
(MULTIPASS
CONFIGURATION)

OPTICAL AMPLIFIER (MULTIPASS

> SLW SLW

CONFIGURATION)

PUMP SOURCE DRIVE ELECTRONICS

109

<u>(£)</u>

110B

110A

107

106 DETECTION LASER

Atenuative Materials

